#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau



### 

### (43) International Publication Date 5 February 2004 (05.02.2004)

### **PCT**

## (10) International Publication Number WO 2004/011448 A1

(51) International Patent Classification<sup>7</sup>: C07D 277/04, 277/12, 261/20, 421/00, 251/00, 413/00, 239/02, 401/00

(21) International Application Number:

PCT/US2003/022807

(22) International Filing Date: 21 July 2003 (21.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/398,716

25 July 2002 (25.07.2002) US

(71) Applicant (for all designated States except US): MERCK & CO., INC. [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): JONES, A., Brian [GB/GB]; Terlings Park, Eastwick Road, Harlow, Essex EN11 9BU (GB). ADAMS, Alan, D. [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). GREEN, Ahren, I. [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). HUANG, Shaei, Y. [CN/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). TSE, Bruno [CN/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). GUTTERIDGE, Clare, E. [GB/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).

CHENG, Yuan [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).

(74) Common Representative: MERCK & CO., INC.; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

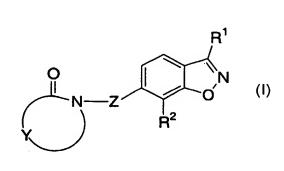
#### Published:

- with international search report

 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: THERAPEUTIC COMPOUNDS FOR TREATING DYSLIPIDEMIC CONDITIONS



(57) Abstract: The present invention relates to novel LXR ligands of Formula I and the pharmaceutically acceptable salts, esters and tautomers thereof, which are useful in the treatment of dyslipidemic conditions, particularly depressed levels of HDL cholesterol.